



# Chicago Metropolitan Agency for Planning

233 South Wacker Drive  
Suite 800  
Chicago, Illinois 60606

312 454 0400  
[www.cmap.illinois.gov](http://www.cmap.illinois.gov)

## **Planning Research & Analysis Intern (RESAN2016) March 15, 2016**

**Job Category:** Research & Analysis Intern  
**Experience Required:** Current Enrollment in Graduate Program  
**Salary Range:** \$15.00 per hour

The Chicago Metropolitan Agency for Planning (CMAP) is seeking to hire an intern in the Research & Analysis Division of the Planning Department. CMAP is our region's official comprehensive planning organization. The agency and its partners are developing ON TO 2050, a new comprehensive regional plan to help the seven counties and 284 communities of northeastern Illinois implement strategies that address transportation, housing, economic development, open space, the environment, and other quality-of-life issues. See [www.cmap.illinois.gov](http://www.cmap.illinois.gov) for more information. For more about the LTA program, visit <http://www.cmap.illinois.gov/lta>.

### **Scanning/Data Development/GIS Intern Position Description**

The intern will work with the Research and Analysis team in an ongoing project to scan and geo-reference historical aerial photographs of the Chicago region using ESRI's ArcGIS software. In addition, the intern will work on a variety of GIS-based data development activities to support long-range forecasting work at CMAP. This is a summer internship with approximately 50% of the time dedicated to the scanning project; concurrent with this task will be a variety of GIS-based data development activities to support long-range forecasting work at CMAP.

### **Essential Functions**

- Operate large-format scanner to scan aerial imagery
- Enter metadata into Access database
- Geo-reference scanned imagery using ArcGIS
- Perform research to support land use, development, and employment monitoring activities
- Edit vector GIS data (digitization and attribute update)
- Conduct quality control and quality assurance on methods and procedures
- Thoroughly document work products for use by other CMAP staff

### **Knowledge, Skills and Abilities**

Knowledge of general Geographic Information System concepts and functions; familiarity with ArcMap interface is required, as are basic office computer skills (word processing, data entry). Prior experience with georeferencing raster imagery strongly desired, along with experience in digitizing/editing vector datasets; knowledge of Python scripting and automation techniques is helpful.

**Education and Experience**

Applicants for the position must be enrolled in a graduate degree program in geography, urban planning, environmental studies or a related field.

**Internship Timeframe**

Depending on the student's availability, this is a full-time summer position beginning in May or June 2016. It could potentially continue into the 2016-17 school year, but that is not guaranteed. Minor start and end-date accommodations may be made upon request.

**Contact Information**

Please submit cover letter and resume via our website at:

<http://www.cmap.illinois.gov/about/careers>. Please refer to **Job Code (RESAN2016)**.

**Posting End Date**

This posting will close on April 15, 2016. All applications must be completed and submitted within the 30-day timeframe.

*The Chicago Metropolitan Agency for Planning is an Equal Opportunity Employer.*